

**ABSTRACT**

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An organic photosensitive optoelectronic device optimized to enhance desired characteristics such as external quantum efficiency is described. The photosensitive optoelectronic device has at least two transparent electrodes and one or more organic photoconductive layers disposed between the transparent electrodes. In other embodiments photosensitive optoelectronic devices with multilayer photoconductive structures and photosensitive optoelectronic devices with a reflective layer are disclosed.

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